

Appendix E: Proposed State Energy Efficiency Standards, Their Sources and Test Methods

PRODUCT	Proposed Standard	Source of Standard	Test Method
Torchiere lighting fixtures	Use 190 Watts or less	California Energy Commission standard	prescriptive standard for fixture; IES LM-45 for bulb wattage
Unit heaters	No pilot lights and power venting or automatic flue damper	American Council for an Energy-Efficient Economy, based on ASHRAE 90.1-1999 standard for warm air furnaces	prescriptive standard; no test procedure needed
Low voltage dry-type transformers	NEMA TP-1, Table 4-2 (includes minimum efficiency requirements for different size equipment from 15 to 2,500 kVa)	National Electrical Manufacturers Association (Transformer manufacturers' trade association)	National Electrical Manufacturers Association Standard TP-2.
Refrigerated beverage vending machines	Use T-8 lamps and electronic ballasts or equally efficient lighting system	California Energy Commission standard	prescriptive standard for lighting only; IES LM-45 for bulbs.
Traffic signal modules	ENERGY STAR [?] specification (sets maximum Watts for different size and color modules)	U.S. EPA ENERGY STAR [?]	certification and label; no test procedure needed.
Exit signs	Not more than 5 Watts per face while meeting specific lighting performance requirements.	U.S. EPA ENERGY STAR [?]	ENERGY STAR [?] certification and label; no test procedure needed.
Ice makers	Must use not more than a given amount of electricity per 100 pounds of ice produced. Requirements vary depending on type and size of unit.	Federal Energy Management Program of U.S. Department of Energy	ARI 810-2000 (incorporates ASHRAE Standard 29).
Large packaged air conditioners and heat pumps	Must meet a specified Energy Efficiency Ratio and Integrated Part Load Value depending on equipment type. Heat pumps must meet specific heating performance values.	Consortium for Energy Efficiency	ANSI/ARI 340/360-93.
Commercial clothes washers	Must meet specified energy and water efficiency performance as measured by U.S. DOE's modified energy factor and by the Association of Home Appliance Manufacturers' water factor. Only applies to residential-sized equipment.	California Energy Commission standard	10 CFR section 430.23(j)(Appendix J1 to Subpart B of Part 430)-2001
Set-top boxes	Sets maximum Watts for three categories of set-top boxes ranging from 3 to 25 Watts.	U.S. EPA ENERGY STAR [?]	ENERGY STAR [?] certification and label; no test procedure needed.